

**AMENDMENTS TO THE SPECIFICATION**

**Please replace first, second and third full paragraphs on page 5 with the following:**

~~The~~ Either one, or both, of the above-mentioned programmable logic circuit(s) is/are  
circuits may be of the field programmable gate array (FPGA) type. Like a microprocessor, an  
FPGA circuit is a component that is programmable by software. The use of this type of fast  
component in association with a programmable processor makes it possible to design generic  
real time process simulators adaptable to any type of process, i.e. to any type of electronic unit  
and to their conditions of use.

The simulator also comprises an analog-to-digital converter enabling digital signals  
representative of analog signals as generated by the unit to be forwarded to the microprocessor,  
and/or it comprises a digital-to-analog converter enabling analog simulation signals to be  
forwarded to the unit on the basis of digital signals generated by the microprocessor.

~~The~~ Either one, or both, of the above-mentioned logic circuit(s) is/are circuits may be  
programmed as a function of the intended type and/or use of the unit.